One-day workshop on

Python programming and AI applications

April 5, 2024   **IIT Gandhinagar**

Python's popularity in AI and machine learning stems from its simplicity, versatility, and rich libraries. This workshop will introduce Python basics and explore its applications in AI, including machine learning, natural language processing, and computer vision.

Workshop Highlights

Morning Session (10 AM - 1 PM)
a) Introduction to Python
b) Setting up Python environment
c) Basic syntax and data types
d) Control flow
e) Functions and modules
f) Python libraries for AI

Afternoon Session (2:30 PM - 5:00 PM)
a) Overview of Artificial Intelligence
b) Overview of Machine Learning
c) Overview of Natural Language Processing
d) Overview of Deep Learning
e) Case studies: Real-world applications of AI
f) Q&A and Closing Remarks

Gain proficiency in Python programming fundamentals.

Understand the role of Python in AI and machine learning.

Learn how to implement AI techniques using Python libraries.

Hands-on experience through guided exercises and case studies.

Maximum **20** participants

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Registration Details
Website: **cs.iitgn.ac.in/pythonworkshop.html**
Registration Fees: **Rs 590/-**